FIG. 1

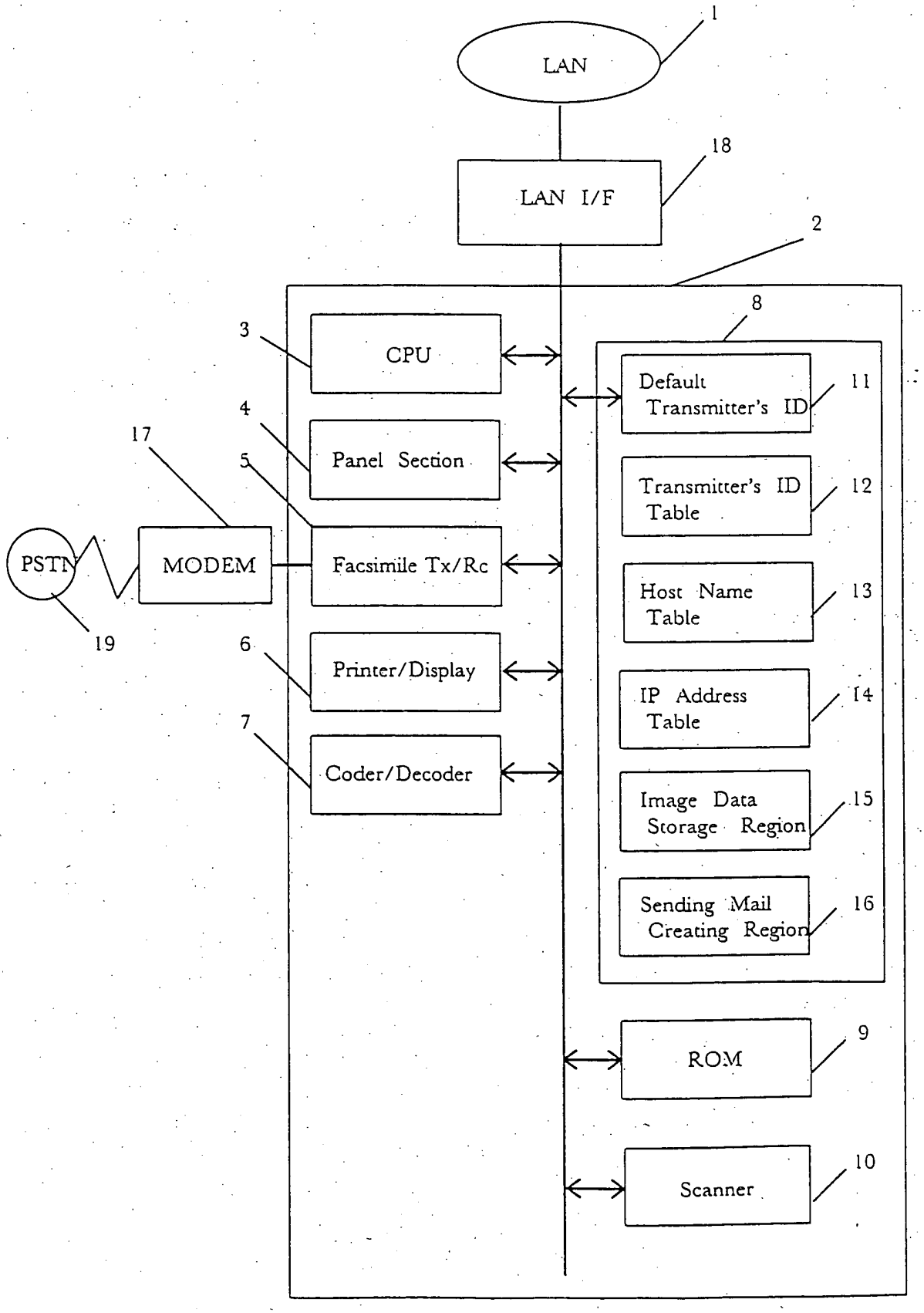
LAN
1
18
LAN I/F
2
8
3
CPU
4
Panel Section
17
5
PSTN
MODEM
Facsimile Tx/Rc
19
6
Printer/Display
7
Coder/Decoder
Default Transmitter's ID
11
Transmitter's ID Table
12
Host Name Table
13
IP Address Table
14
Image Data Storage Region
15
Sending Mail Creating Region
16
ROM
9
Scanner
10

FIG. 2A

Transmitter Information Default

Machine's Name	Mail Address
Internet FAX	fax@aaa.bbb.jp

FIG. 2B

Transmitter's Identification Table

Transmitter's Name	Mail Address
suzuki	usr1@abc. defg. jp
yamada	usr2@abc. defg. jp
MGCS	*not set*
not set	usr4@abc. defg. jp

FIG. 3

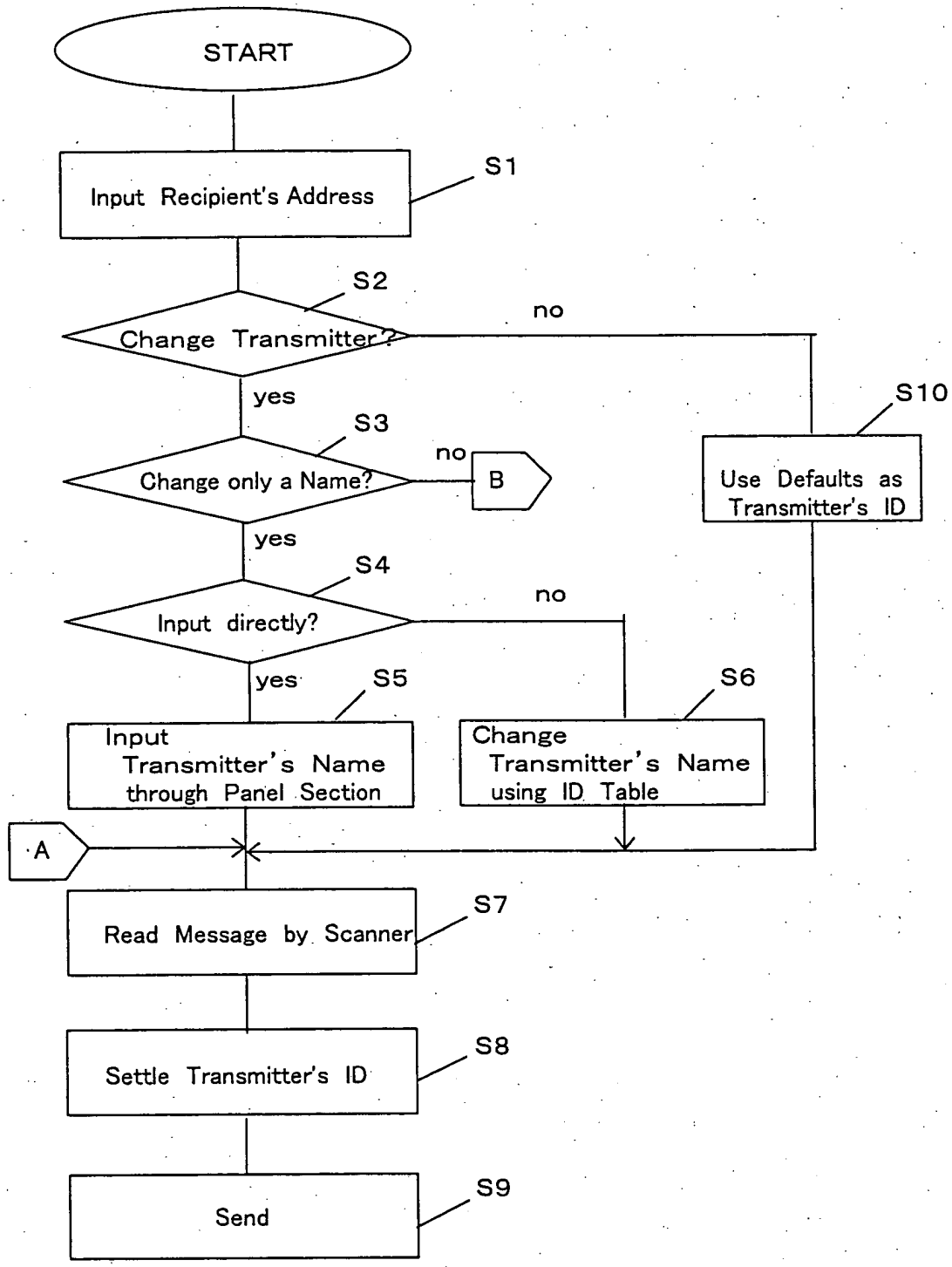
START
Input Recipient's Address
S1
S2
Change Transmitter?
no
yes
S3
Change only a Name?
no
B
yes
S4
Input directly?
no
yes
S5
Input Transmitter's Name through Panel Section
S6
Change Transmitter's Name using ID Table
S10
Use Defaults as Transmitter's ID
A
Read Message by Scanner
S7
Settle Transmitter's ID
S8
Send
S9

FIG. 4

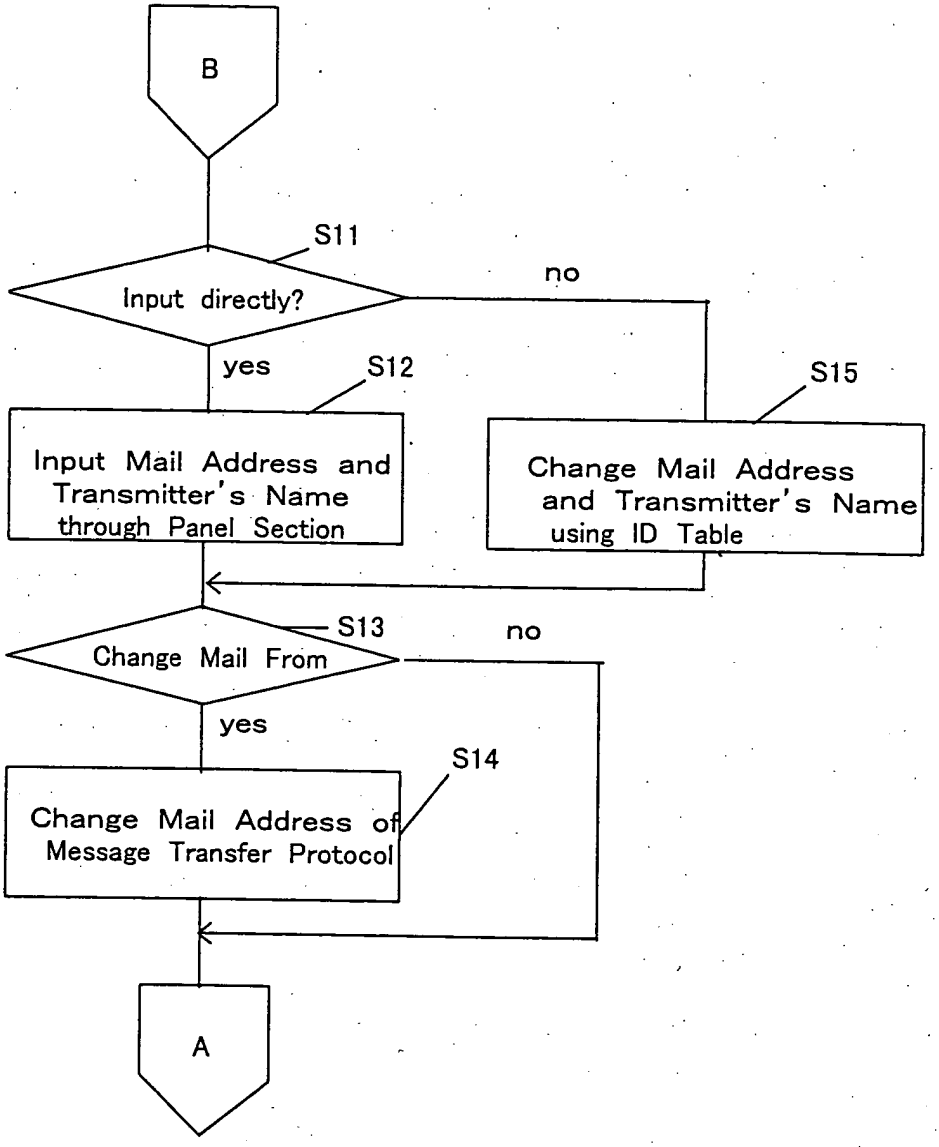
B
S11
Input directly?
no
yes
S12
Input Mail Address and Transmitter's Name through Panel Section
S15
Change Mail Address and Transmitter's Name using ID Table
S13
Change Mail From
no
yes
S14
Change Mail Address of Message Transfer Protocol
A

FIG. 5A

Mail From Command

MAIL<SP>FROM:<reverse-path>

Mail Message

Mime-Version:1.0

X-Mailer:Internet FAX, MGCS

From:"comment"<Mail address>

Subject:****

To:aaa@bbb.ccc.ddd

Fig. 5B

Change Transmitter's Name of Mail Message into "suzuki"

Mail From Command

MAIL FROM:<fax@aaa.bbb.jp>

Mail Message

Mime-Version:1.0

X-Mailer:Internet FAX, MGCS

From:"suzuki", fax@aaa.bbb.jp>

Subject:****

To:aaa@bbb.ccc.ddd

FIG. 5C

Change Transmitter's Name and Mail Address of Mail Message into "suzuki"

Mail From Command

MAIL FROM:<fax@aaa.bbb.jp>

Mail Message

Mime-Version:1.0

X-Mailer:Internet FAX, MGCS

From:"suzuki"<usr1@abc.defg.jp>

Subject:****

To:aaa@bbb.ccc.ddd

FIG. 5D

Change Transmitter's Name, Mail Address and Mail From Command into "suzuki"

Mail From Command

Mail FROM:<usr1@abc. defg. jp>

Mail Message

Mime-Version:1. 0

X-Mailer:Internet FAX, MGCS

From:"suzuki"<usr1@abc. defg. jp>

Subject:****

To:aaa@bbb. ccc. ddd

FIG. 5E

Change Transmitter's Name, Mail Address and Mail From Command into "MGCS"

Mail From Command

MAIL FROM:<fax@aaa. bbb. jp>

Mail Message

Mime-Version:1. 0

X-Mailer:Internet FAX, MGCS

From:"MGCS"<fax@aaa. bbb. jp>

Subject:****

To:aaa@bbb. ccc. ddd

FIG. 5F

Change Transmitter's Name, Mail Address and Mail From Command into "usr4@abc. defg. jp"

Mail From Command

MAIL FROM:<usr4@abc. defg. jp>

Mail Message

Mime-Version:1. 0

X-Mailer:Internet FAX, MGCS

From:<usr4@abc. defg. jp>

Subject:****

To:aaa@bbb. ccc. ddd

FIG. 6

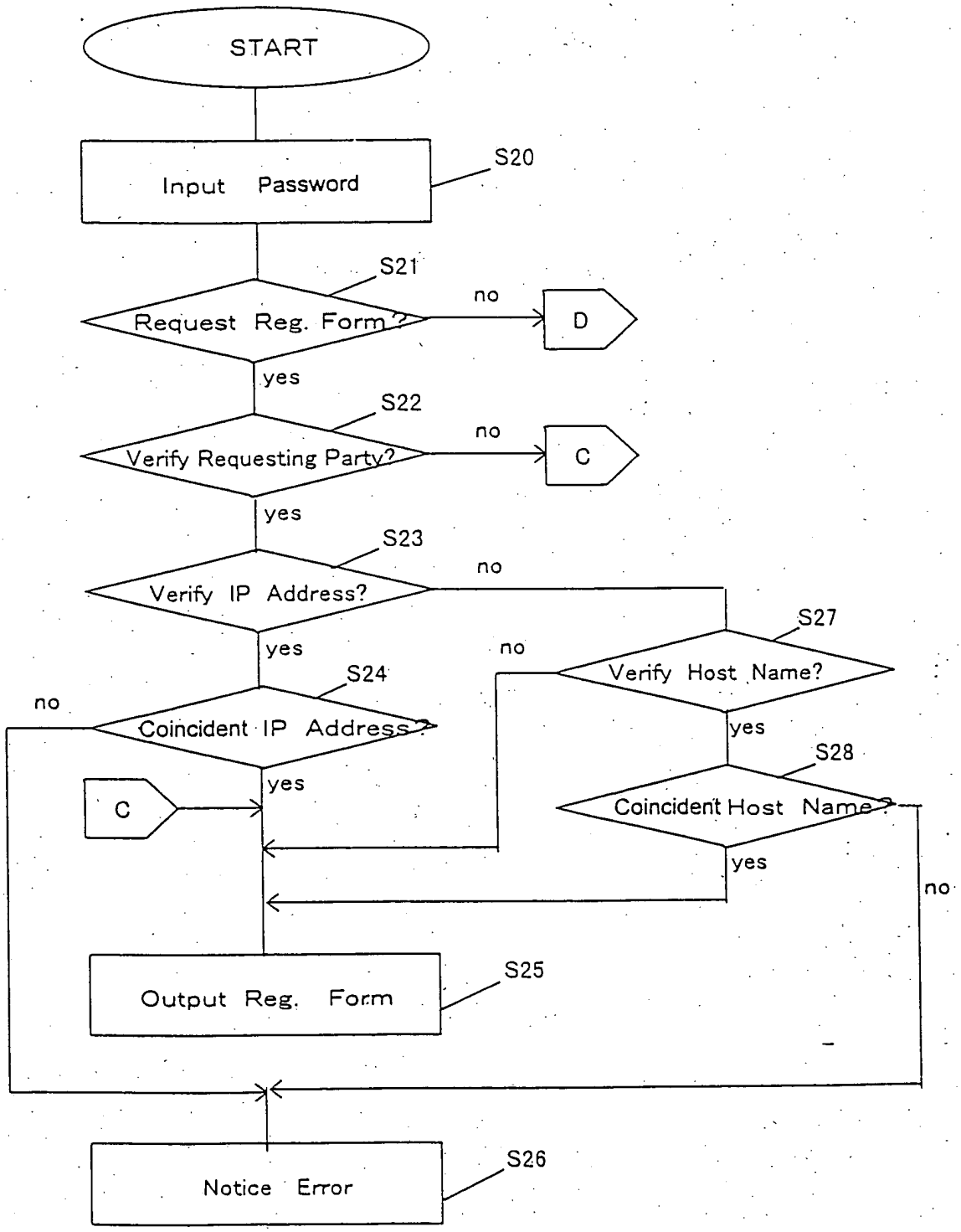
START
Input Password
S20
S21
Request Reg. Form?
no
D
yes
S22
Verify Requesting Party?
no
C
yes
S23
Verify IP Address?
no
yes
S27
Verify Host Name?
no
yes
S24
Coincident IP Address?
no
yes
C
S28
Coincident Host Name?
yes
no
Output Reg. Form
S25
Notice Error
S26

FIG. 7

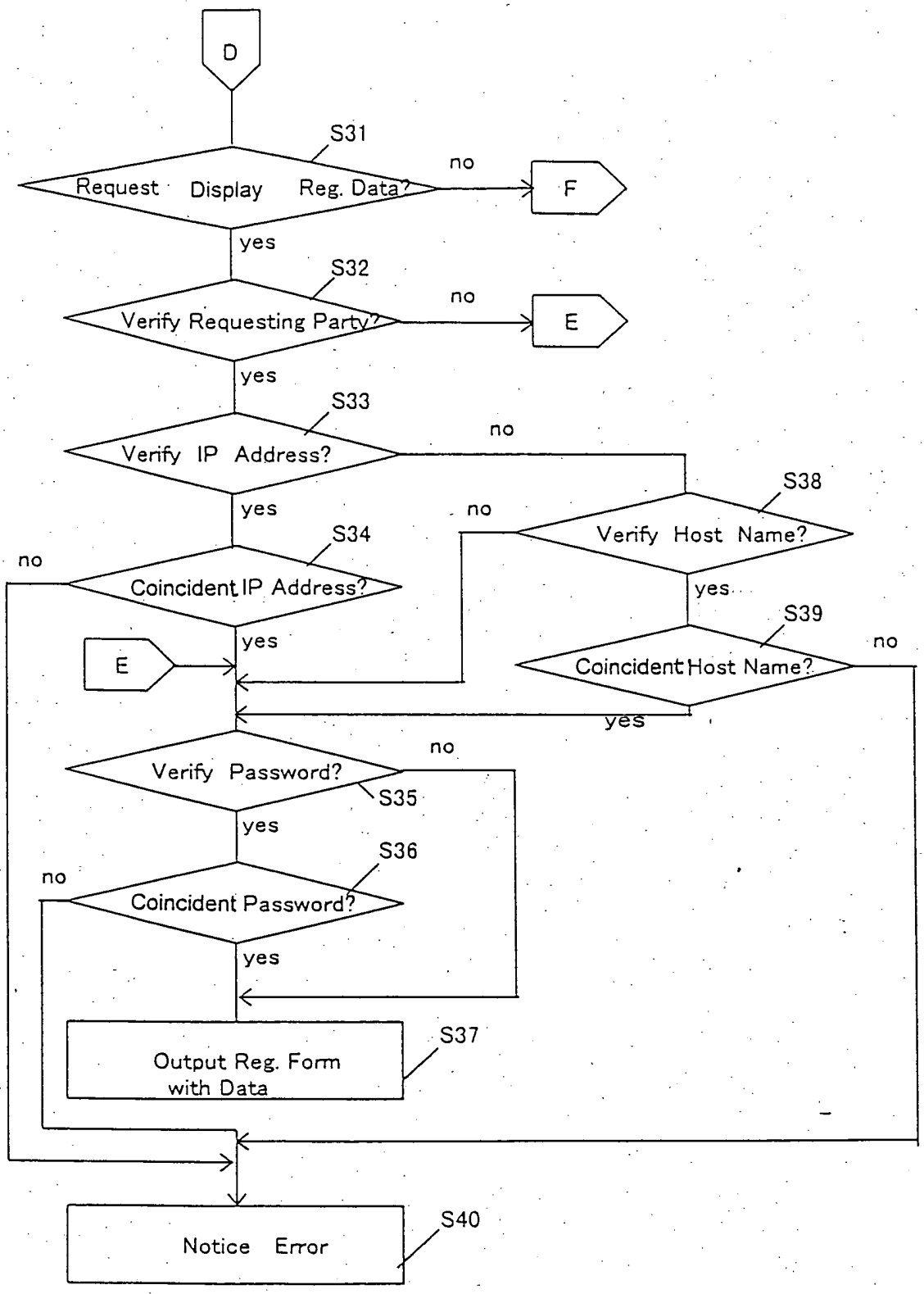
D
S31
Request Display Reg. Data?
no
F
yes
S32
Verify Requesting Party?
no
E
yes
S33
Verify IP Address?
no
yes
S38
Verify Host Name?
no
S34
Coincident IP Address?
no
yes
yes
S39
Coincident Host Name?
no
E
yes
Verify Password?
no
S35
yes
S36
Coincident Password?
no
yes
Output Reg. Form with Data
S37
Notice Error
S40

FIG. 8

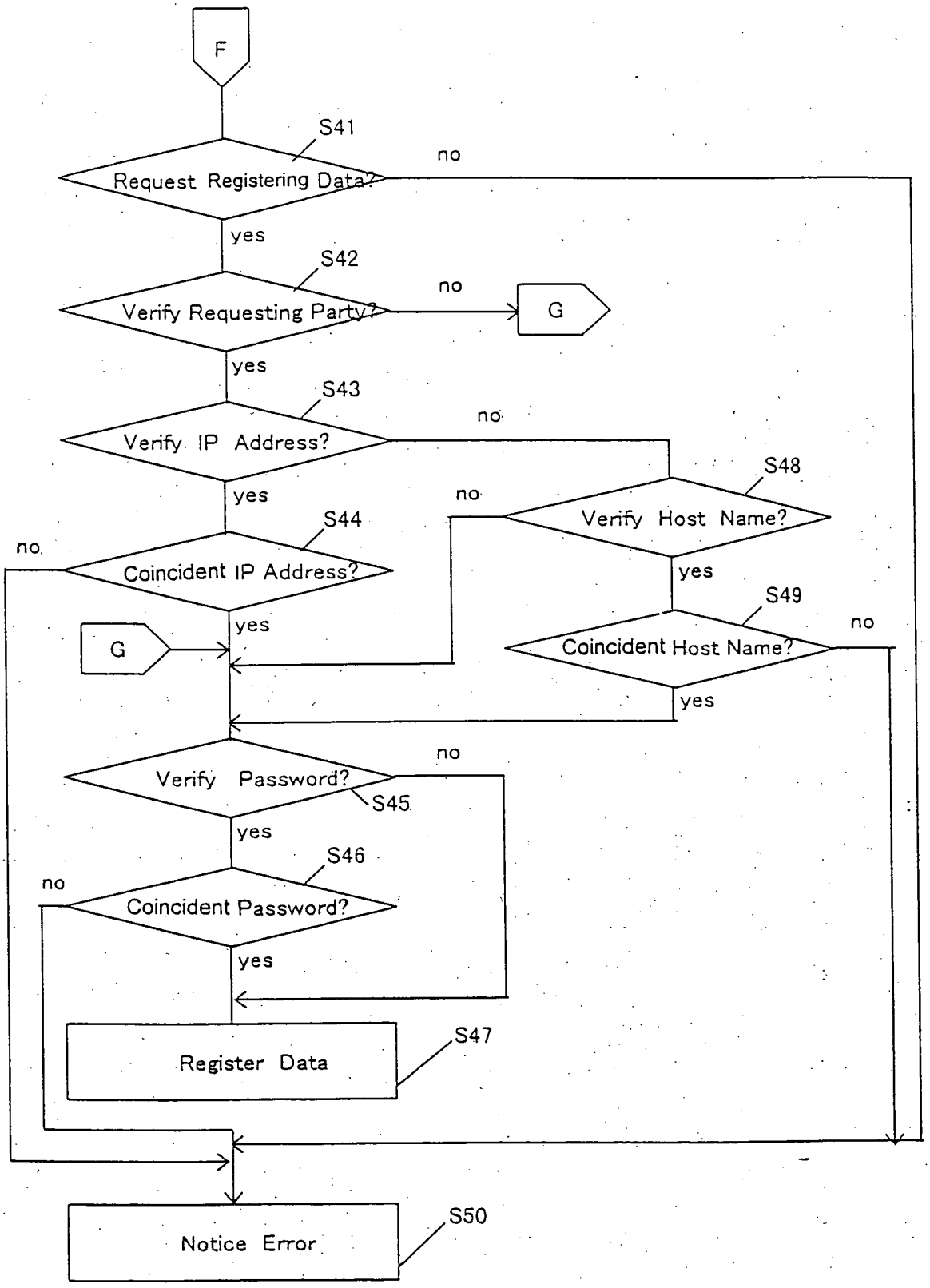
F
S41
Request Registering Data?
no
yes
S42
Verify Requesting Party?
no
G
yes
S43
Verify IP Address?
no
yes
S44
Coincident IP Address?
no
yes
G
S48
Verify Host Name?
no
yes
S49
Coincident Host Name?
no
yes
Verify Password?
S45
no
yes
S46
Coincident Password?
no
yes
Register Data
S47
Notice Error
S50

FIG. 9A

Transmitter's ID Table

IP Address	IP MASK
001.001.001.001	255.255.255.128
001.001.002.123	
001.002.003.111	

FIG. 9B

Host Name Table

Host Name
pc1.abc.defg.jp
pc2.abc.defg.jp
aaa.bbb.jp

FIG. 10

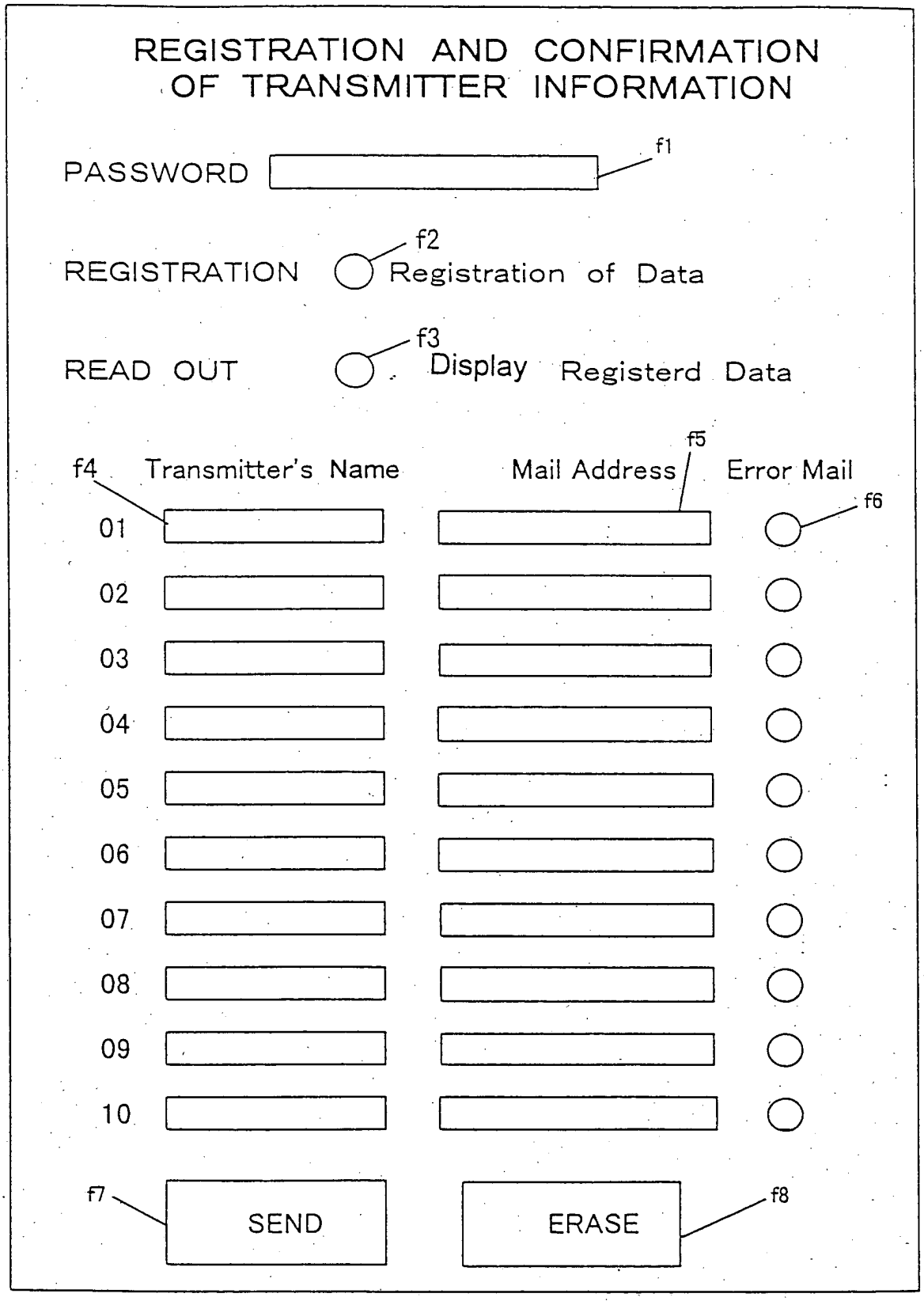
REGISTRATION AND CONFIRMATION OF TRANSMITTER INFORMATION
PASSWORD
f1
REGISTRATION
f2
Registration of Data
READ OUT
f3
Display Registerd Data
f4
Transmitter's Name
Mail Address
f5
Error Mail
f6
01
02
03
04
05
06
07
08
09
10
f7
SEND
ERASE
f8

FIG. 11

R: 220 BBN−UNIX. ARPA Simple Mail Transfer Service Ready
S: HELO USC−ISIF. ARPA
R: 250 BBN−UNIX. APPA

S: MAIL FROM: <Smith@USC−ISIF. ARPA>
R: 250 OK

S: RCPT TO: <Jones@BBN−UNIX. ARPA>
R: 250 OK

S: RCPT TO: <Green@BBN−UNIX. ARPA>
R: 550 No Such user here

S: RCPT TO: <Brown@BBN−UNIX. ARPA>
R: 250 OK

S: DATA
R: 354 Start mail input; end with <CRLF>. <CRLF>
S: Blah blah blah...
R: ...etc. etc. etc.
S: .
R: 250 OK

S: QUIT
R: 221 BBN−UNIX. ARPA Service closing transmission channel

FIG. 12A Verify IP Address without MASK

from 001.001.002.123	Coincident	Receive
from 001.001.002.124	Not Coincident	Reject

FIG. 12B Verify IP Address with MASK

from 001.001.001.103	Coincident	Receive
from 001.001.001.201	Not Coincident	Reject

FIG. 12C Verify Host Name

from pc1.abc.defg.jp	Coincident	Receive
from pc3.abc.defg.jp	Not Coincident	Reject

FIG. 12D Verify Host Name

from ws1.aaa.bbb.jp	Coincident	Receive
from ws2.aab.bbb.jp	Not Coincident	Reject